

AERO Design Ltd.  
2013 - 39<sup>th</sup> Ave. NE  
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: Quick Release Forward Beam Part #: 69830-01

Approval #: SH00-48 Serial #: --

WO #: 2007-09 Quantity: 1

Eligibility: Bell 206L / 407 Work Status: Manufactured

Remarks: \_\_\_\_\_

*I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.*

Nov 26/07  
Date

Jeff Clarke  
Inspector's Signature

ALCO Design Ltd.  
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Product: Quick Release Aft Beam Part #: 69831-02

Approval #: SH00-48 Serial #: --

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W.H. Clarke

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Jeff Clarke  
Inspector's Signature

WORK ORDER 2007-09

Date opened: 25 April 2007

Project: Quick Release Cargo Basket Beams  
Type: Bell 206L Series, 407

Batch Quantity: 5 Forward Beam Ass'y (69830-01)  
5 Aft Beam Ass'y (69831-01)  
3 Forward Beam Assy (Stainless) (69830-02)  
3 Aft Beam Ass'y (Stainless) (69831-02)

Approval: SH00-48  
Drawing List: DCL698-1

<u>Fabrication and Assembly Drawing(s)</u>	<u>Description</u>
69830, Rev. 2	Forward Beam Ass'y
69831, Rev. 2	Aft Beam Ass'y

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

Project is on Approval Limitation Record:	<u>Y</u> ✓
Document Control List revision level matches (or exceeds) STC:	<u>Y</u> ✓
Drawings revision levels match Document Control List:	<u>Y</u> ✓
Purchase order or Work order source is recorded for each part/ass'y:	<u>Y</u> ✓
Tests and inspections specifically called out on drawings are complete:	<u>Y</u> ✓
Release tags associated with all fabricated parts are attached:	<u>Y</u> ✓
All mounting hardware and supplies are included:	<u>Y</u> ✓

List all non-conformities raised: \_\_\_\_\_

Jeff Clarke  
Inspector Signature:

Nov 26/07  
Date:

Drawing: 69830 Revision 2  
 Assembly: 69830-01 Forward Beam Ass'y (Quick-Release)

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
5 Total	69830-01	Forward Beam Assembly			
1	69830-03	Tube	CSA G40.21 50W, 1x2x0.125 tube	7001	
1	69830-04	Tube	CSA G40.21 50W, 1x2x0.125 tube	7001	
2	69830-05	Bushing	316 Stainless, 5/8" x 0.120 tube	7008	
1	69830-06	Strap	4130 Steel, 0.125" Sheet	6031	
1	69830-07	Block	1018 Mild Steel, 1/4" Sqr. Rod	4044	
1	69830-09	Cap	1018 Mild Steel, 0.040" Sheet	7022	
1	69830-10	Cap	1018 Mild Steel, 0.040" Sheet	7022	
1	69830-11	Guide	304 Stainless, 3/4" x 0.065" Rnd. Tube	6049	
1	69830-21	Stop	6061-T6 Aluminum, 5/8" Rod	6061	
1	69830-22	Knob	6061-T6 Aluminum, 3/4" Rod	3005	
1	69830-23	Spring	15mm x 70 mm Spring	6063	
1	#10-32	Screw	Stainless Steel, Commercial	6069	
1	MS21044C3	Nut		1013	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2, AMS 5680A		<i>David [Signature]</i>
Powder Coat	Drawing 69830			<i>Jeff Clarke</i>
Final Inspection	Drawing 69830			<i>Jeff Clarke</i>

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 69831 Revision 2  
 Assembly: 69831-01 Aft Beam Ass'y (Quick-Release)

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
5 Total	69831-01	Aft Beam Assembly			
1	69831-03	Tube	CSA G40.21 50W, 1x2x0.125 tube	7001	
1	69831-04	Tube	CSA G40.21 50W, 1x2x0.125 tube	7001	
1	69831-05	Tube	CSA G40.21 50W, 1x2x0.125 tube	7001	
2	69830-05	Bushing	316 Stainless, 5/8" x 0.120 tube	7008	
1	69830-06	Strap	4130 Steel, 0.125" Sheet	6031	
1	69830-07	Block	1018 Mild Steel, 1/4" Sqr. Rod	4044	
1	69830-09	Cap	1018 Mild Steel, 0.040" Sheet	7022	
1	69830-10	Cap	1018 Mild Steel, 0.040" Sheet	7022	
1	69830-11	Guide	304 Stainless, 3/4" x 0.065" Rnd. Tube	6049	
1	69830-21	Stop	6061-T6 Aluminum, 5/8" Rod	6061	
1	69830-22	Knob	6061-T6 Aluminum, 3/4" Rod	3005	
1	69830-23	Spring	15mm x 70 mm Spring	6063	
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Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2, AMS 5680A		<i>David...</i>
Powder Coat	Drawing 69831			<i>Jeff Clarke</i>
Final Inspection	Drawing 69831			<i>Jeff Clarke</i>

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Drawing: 69830 Revision 2  
 Assembly: 69830-02 Forward Beam Ass'y (Quick-Release)

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
3 Total	69830-02	Forward Beam Assembly			
1	69830-13	Tube	304 Stainless, 1x2x0.125 tube	6026	
1	69830-14	Tube	304 Stainless, 1x2x0.125 tube	6026	
2	69830-15	Bushing	316 Stainless, 5/8" x 0.120 tube	7008	
1	69830-16	Strap	304 Stainless, 0.105" Sheet	7006	
1	69830-17	Block	304 Stainless, 1/4" Sqr. Rod	7016	
1	69830-19	Cap	321 Stainless, 0.032" Sheet	3021	
1	69830-20	Cap	321 Stainless, 0.032" Sheet	3021	
1	69830-11	Guide	304 Stainless, 3/4" x 0.065" Rnd. Tube	6049	
1	69830-21	Stop	6061-T6 Aluminum, 5/8" Rod	6061	
1	69830-22	Knob	6061-T6 Aluminum, 3/4" Rod	3005	
1	69830-23	Spring	15mm x 70 mm Spring	6063	
1	#10-32	Screw	Stainless Steel, Commercial	6069	
1	MS21044C3	Nut		1013	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		<i>David Smith</i>
Powder Coat	Drawing 69830			<i>J. Clark</i>
Final Inspection	Drawing 69830			<i>J. Clark</i>

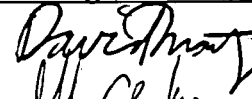


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1	69831-14	Tube	304 Stainless, 1x2x0.125 tube	6026	
1	69831-15	Tube	304 Stainless, 1x2x0.125 tube	6026	
2	69830-15	Bushing	316 Stainless, 5/8" x 0.120 tube	7008	
1	69830-16	Strap	304 Stainless, 0.105" Sheet	7006	
1	69830-17	Block	304 Stainless, 1/4" Sqr. Rod	7016	
1	69830-19	Cap	321 Stainless, 0.032" Sheet	3021	
1	69830-20	Cap	321 Stainless, 0.032" Sheet	3021	
1	69830-11	Guide	304 Stainless, 3/4" x 0.065" Rnd. Tube	6049	
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Powder Coat	Drawing 69831			
Final Inspection	Drawing 69831			

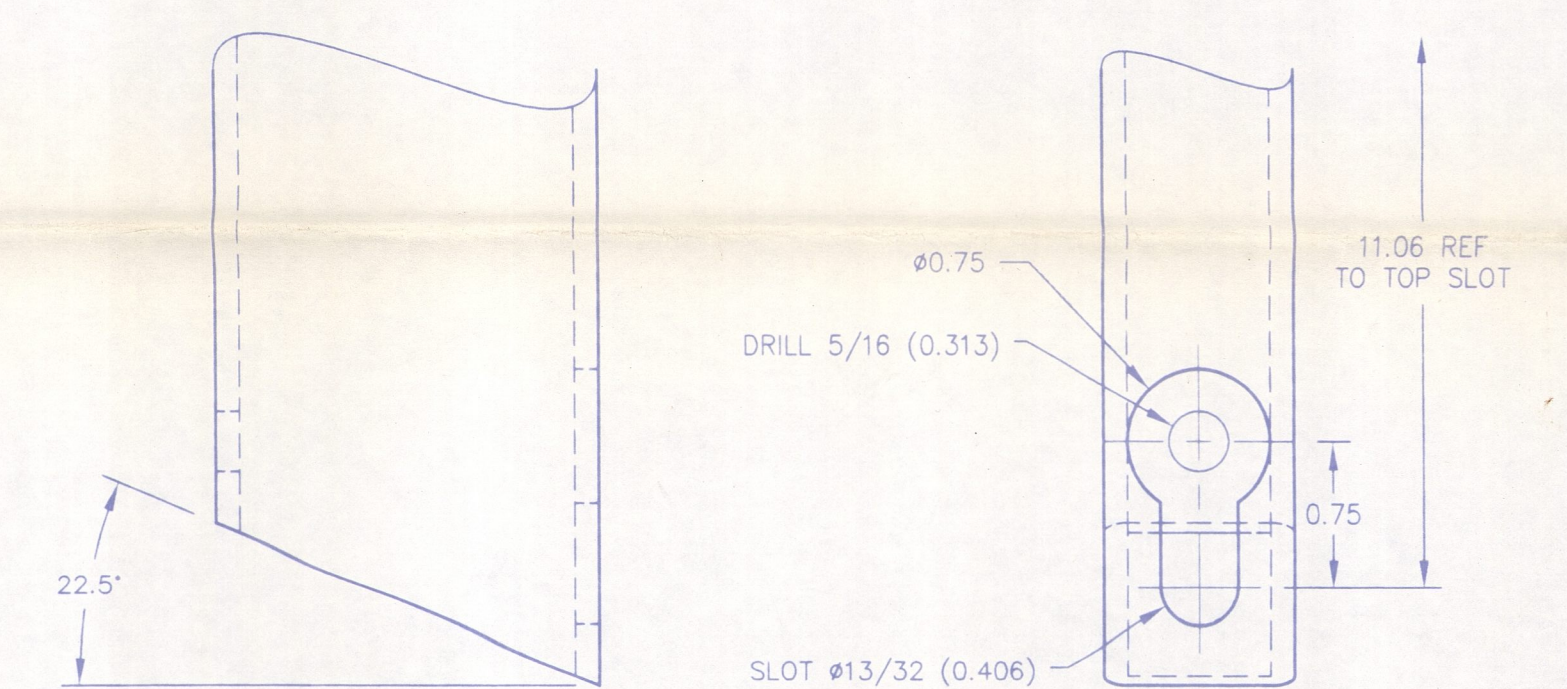
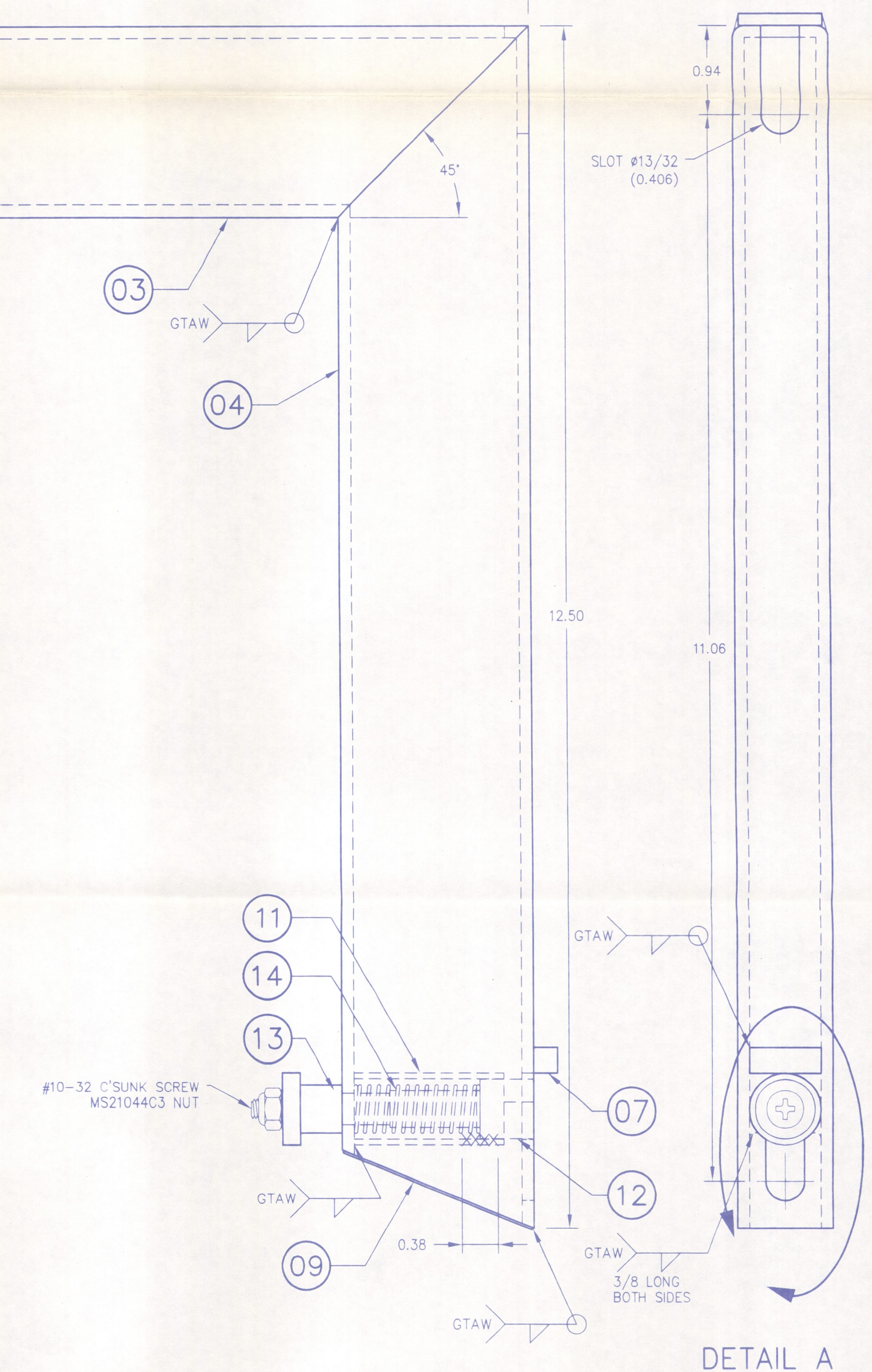
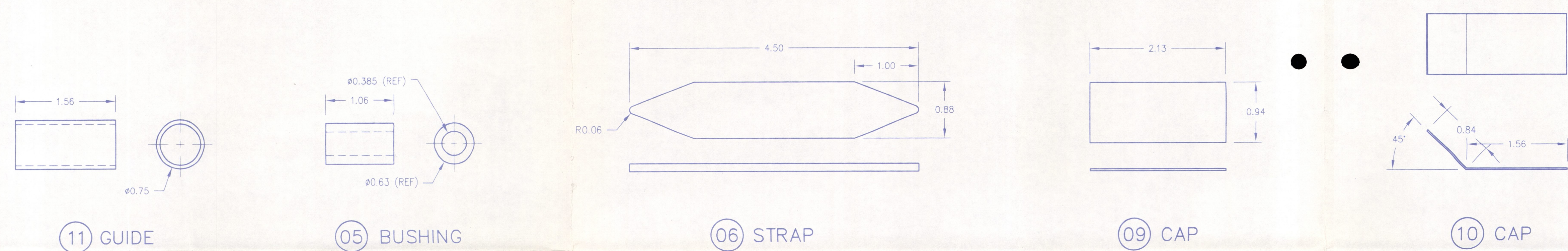
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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
1	BEAM MODIFIED TO ACCOMMODATE SLIDING DOOR	BJC	06/09/2006
2	BEAM MODIFIED FOR 2 KEYWAY ATTACHMENT	BJC	09/11/2006



APPROVALS		DATE		<h1 style="text-align: center;">AERO DESIGN LTD.</h1> <p>CONSULTING ENGINEERS, TRANSPORT CANADA APPROVED, DAR 290M          2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 0R7          TEL: (403) 250-8527 FAX: (403) 250-8533 <a href="mailto:aerodesign@telusplanet.net">aerodesign@telusplanet.net</a></p>			
DRAWN:	JEFF CLARKE	06 APR 2006					
CHECKED:	E. BURGON						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:				BEL 206L / 407 CARGO KASKET FORWARD BOMB FABRICATION			
DECIMALS:	X.XXX = ±0.010 X.XX = ±0.03 X.X = ±0.1		ANGLES = 1/2°				
				SCALE 1 : 1			
				DWG. SIZE		DWG. NO.	
				SHEET 1 OF 1		REV.	
				A0		698330	
						2	



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